

Date: Tuesday, 8/21/2007 3:43:37 PM  
User: Kim Johnston

# Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: PLUG
Job Number	: 34186		
Estimate Number	: 12292		
P.O. Number	: <i>N/A</i>	Part Number	: D26513
This Issue	: 8/21/2007 S.O. No. : <i>N/A</i>	Drawing Number	: D2651 REV.B
Prsht Rev.	: NC	Project Number	: N/A
First Issue	: <i>N/A</i> Type : PURCHASED PARTS	Drawing Revision	: B
Previous Run	: 33452	Material	: <i>N/A</i>
Written By	: <i>JA</i>	Due Date	: 9/20/2007
Checked & Approved By	: <i>JA 02.08.22</i>	Qty:	300 Um: Each
Comment	: est rev. A 06.02.15 new issue EC		

## Additional Product

Job Number:



Seq. #: Machine Or Operation: Description :

1.0 PG PURCHASING



Comment: PURCHASING

Issue P/O: *4431*

Purchase P/N: 2-008 as per Dwg D2651

Supplier: Parker

Ensure Certificate of Conformity is attached

*CD 07/08/22*  
*(300)*

2.0 MS28775008 O RING



Comment: Qty.: 1.0000 Each(s)/Unit Total : 300.0000 Each(s)  
O RING

3.0 PACKAGING 1 PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage

Ensure material certification is attached

*LC 7/14/27* *(300)*

4.0 QC6 DIMENSIONAL CHECK



Comment: DIMENSIONAL CHECK

Ensure Material certification comply to Dwg D3446

*QSP 019*  
*CD 02/08/31* *(299)* *7*  
*counted*

5.0 PACKAGING 1 PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: \_\_\_\_\_

*EP 07/08/31* *(300)*

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA:   R   Date: 07/09/04  
 QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PLUG

Job Number: 34186

Part Number: D26513

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC21

FINAL INSPECTION/W/O RELEASE



300

Comment: FINAL INSPECTION/W/O RELEASE

207109/04

Job Completion



**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

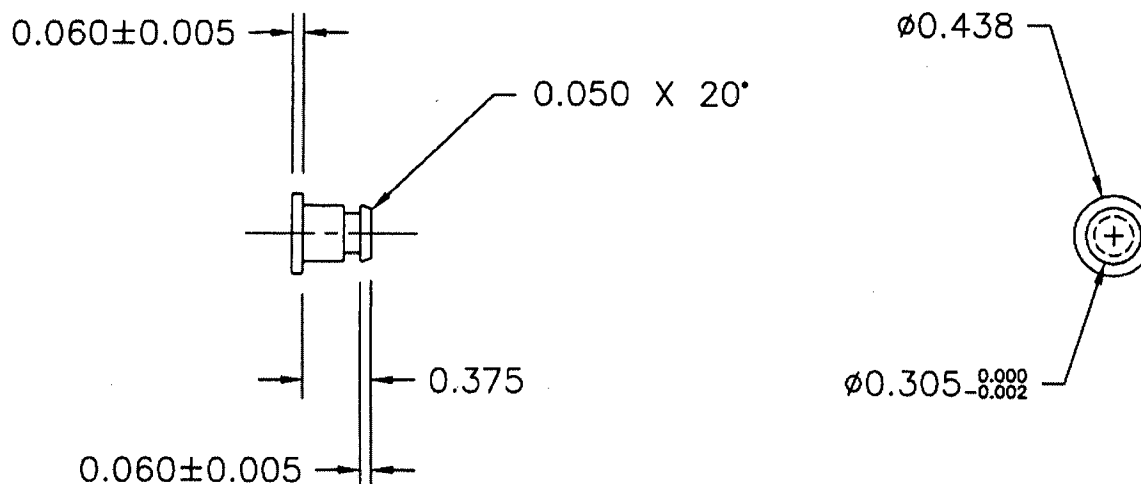
**NOTE:** Date & initial all entries



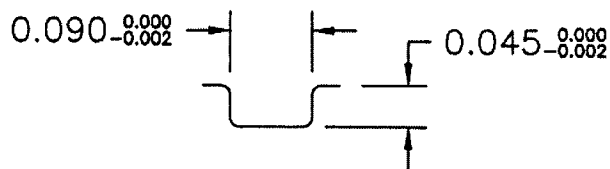
DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D2651	REV. B SHEET 1 OF 1
DATE 03.12.19		TITLE PLUG	SCALE 1:1
A	97.03.25	NEW ISSUE	
B	03.12.19	ADD POWDER COAT, MS28775-008	

RELEASED  
03.12.19 #

### D2651-1 PLUG:



### GROOVE DETAIL (SCALE 5:1)



### D2651-1 PLUG

- 1) MATERIAL: 6061-T6 (QQ-A-225/8) OR 1100-0 (QQ-A-225/1)
- 2) FINISH: ACID ETCH & ALODINE PER DART QSI 005 4.1  
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.010 MAX

### D2651-3 O-RING

- 1) MATERIAL: BUNA N, 70 DUROMETER  
3/16 ID, 5/16 OD, 1/16 WIDTH  
(PARKER 2-008, MS28775-008 OR EQUIVALENT)

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 34186

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# M & M Aerospace Hardware, Inc.

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191  
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR  
www.mmaero.com

INVOICE NUMBER

E72643

SOLD TO:

002409

DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY, ON  
CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY, ON  
CANADA K6A 1K7

PAGE 1

ORDER NO.		DATE	SHIP VIA	TERMS	F.O.B.		
4431		08/23/07	FEDX INTL ECON COLL	NET 45	FOB-MIAMI		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION	PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
	100	AN5-10A bolt CTRL# : 2006A01937 LOT# : 11898 LOT QTY: 100		EA	0	✓ 100	
	50	AN5-7A BOLT CTRL# : 2006C05469 LOT# : 12551 LOT QTY: 50		EA	0	✓ 50	
	2	MS20470AD5-6 RIVET CTRL# : 2007H02557 LOT# : M-711-904 LOT QTY: 2		LB	0	✓ 2	
	2000	MS27039-1-08 SCREW CTRL# : 2007G05090 LOT# : 34658 LOT QTY: 2000		EA	0	✓ 2000	
	300	MS28775-008 FASTENER CTRL# : 2006G00287 LOT# : 80041710 LOT QTY: 300		EA	0	✓ 300	
	100	MS20613-6G12 RIVET CTRL# : 1996B01963 LOT# : 96-0083 LOT QTY: 100 **COUNTRY OF ORIGIN: USA		EA	0	✓ 100	
							10/7/8/27
							***CONTINUED***
MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY M & M AEROSPACE							

WE HEREBY CERTIFY THAT ALL PROVISIONS OF THE FAIR LABOR STANDARDS ACT ON JUNE 25, 1983, AS AMENDED, HAVE BEEN FULLY COMPLIED WITH IN THE MANUFACTURE, PRODUCTION OR PURCHASE OF GOODS LISTED HEREON.

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE. ALL PAST DUE ACCOUNTS SHALL BEAR INTEREST AT THE RATE OF 1 1/2% MONTH (18% PER ANNUM).

MATERIAL CERTIFICATION

M & M AEROSPACE HARDWARE, INC. ("M & M AEROSPACE") WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND, AS SET FORTH ON THE MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMENTAL REQUIREMENTS AND THE SPECIFICATIONS OF THE RESPECTIVE MANUFACTURERS. M & M AEROSPACE DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF M & M AEROSPACE IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT OF ANY ITEM WHICH IS REJECTED BECAUSE OF A DEFECT IN MATERIAL OR WORKMANSHIP. SUCH REPLACEMENT SHALL CONSTITUTE SATISFACTION OF ALL LIABILITY M & M MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT RIGHTS, NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL M & M AEROSPACE BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. FURTHER, M & M AEROSPACE MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECEIPT BY THE CUSTOMER.

PACKING SLIP

BY SIGNING OR PRINTING OF THE GOODS COVERED BY THIS INVOICE, BUYER EXPRESSLY ASSENTS TO THE TERMS AND CONDITIONS SET FORTH ON THE REVERSE HEREOF


**Parker Hannifin Corporation**

O-Ring Division  
 Parker Seal de Matamoras  
 Diagonal Lorenzo De La Garza #13 Ciudad  
 H. Matamoras, Tam. 87499, Mexico  
 Phone: (859) 335-3000

— NOTICE —  
**This is a C.B.I. Compound!**

C.B.I. is Parker's exclusive quality assurance program for Controlled Batch Identification, your assurance of reliability.

**CONFORMANCE CERTIFICATE FOR MATERIAL SHIPPED**

Parker O-Ring Division certifies that the material used in the manufacture of the parts identified below and called for on Purchase Order Number 179577 received by us from SWAN ENGINEERING & SUPPLY is traceable to C.B.I. Number 0080041710 and that the material used conforms to the requirements of the specifications indicated below. The tests were performed in accordance with these specifications, and data supporting the indicated results are on file.

CUSTOMER PART NUMBER	PARKER PART NUMBER	COMPOUND	QUANTITY	CURE DATE	SHIP DATE
MS28775-008	MS28775-008	N0304 -75	6288	2Q06	05/11/06
TESTED AS: 2-214 & BUTTONS					
PHYSICAL PROPERTIES		REQUIREMENTS	VARIATION	PARKER FINDINGS	
SPECIFICATION MIL-P-25752c		TYPE	CLASS	TEST DT 04/26/06	
ASTM D297 SPECIFIC GRAVITY			(1.26 - 1.30)	1.2800	
ASTM D2240 HARDNESS SHORE A		(68 - 80)	(70 - 80)	73	
ASTM D1414 TENSILE STRENGTH, PSI		1350 MIN	(1440 - 2160)	1543	
ASTM D1414 ELONGATION, %		160 MIN	(160 - 226)	187	
MODULUS AT 100% ELONG.		500 MIN	(500 - 9999)	569	
TR-10 50% ELONG. 10% RETURN		-49 MAX		-55.0	
FLUID AGEING 70 HRS AT					
275°F IN MIL H-5606					
ASTM D395 COMPRESSION SET % MAX		55		34.0	
TR-10		-49 MAX		-49.0	
ASTM D2240 HARDNESS CHANGE		+5 -15		-10.0	
VOLUME CHANGE		1 +20		15.0	

Testing Performed By PSDM Lab  
Diagonal Lorenzo De La Garza #13 Ciudad  
H. Matamoros, Tam. 87499, Mexico

Testing Performed By PSDM Lab  
 Diagonal Lorenzo De La Garza #13 Ciudad  
 H. Matamoras, Tam. 87499, Mexico

No Mercury, Mercury compounds or Mercury bearing instruments, equipment or apparatus which might cause contamination has been used in the manufacture or subsequent processing of material covered by this order.

Purchaser use only. Reproduce only in full. Data pertains to items referenced.

The recording of false, fictitious or fraudulent statements or entries on the certificate may be punishable as a felony under federal law.

The information contained herein is submitted as the privileged and confidential property of the Parker Hannifin Corporation pursuant to 5 U.S.C. Section 552 (b)(3) and (b)(4), the Freedom of Information Act, exemption Number 3 and Number 4. This information shall not be duplicated, used or disclosed in whole or in part outside the recipient organization without express written consent of the Parker Hannifin Corporation.

**O-Ring Division  
 PARKER HANNIFIN CORPORATION**

By

Ruben Ramirez  
 Quality Assurance Manager



